



Reducing Nitrates in the Sand Plain Aquifers of Wadena County



Clean Water Funds: 2012

Clean Water Grant	\$91,305
Leveraged Funds*	\$23,000
Total Project Budget	\$114,305

* Leveraged Funds include

Targeted Water:

Central Sand Plains Aquifers

Project Sponsor:

Wadena Soil and Water Conservation District

Grant Period:

January 2012—December 2014

Project Contact:

Darren Newville
(218) 631-3195 x3
darren.newville@mn.nacdn.net
www.wadenaswcd.org



C12-151 - Clean Water Assistance

Project Narrative

A large portion of Wadena County has been identified as having a high or moderate probability of elevated nitrate concentrations. With almost all of the residents in Wadena County getting their drinking water from groundwater sources, this issue is a top priority to the county.

Through this project, nitrates and other water soluble contaminants leaching into sensitive sand plain aquifers will be reduced by providing cost-share incentives to encourage irrigation producers to convert high or medium pressure irrigation systems to low pressure systems. Technical assistance will be provided to producers to manage the application of irrigation through an irrigation scheduling program.



Proposed Outcomes:

Low Pressure Conversion on 6 irrigation systems and Irrigation Management on 6 fields - Central Sand Plains Aquifers

Proposed Reductions: 7,636 lbs/year Nitrogen

Actual Outcomes:

Project in Progress

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